



Absorbent acrylic spunlaced fabric

Description of Technology: This invention relates to a water-absorbent cellulosic/acrylic spunlaced fabric having improved wickability and water retention capabilities, composite water-absorbent sheet materials and articles made therefrom, and the use of such materials and articles to protect other materials from damage by water and aqueous soiling, especially such as hospital bedding.

Patent Listing:

1. **US Patent No. 5,350,625**, Issued September 27, 1994, "Absorbent acrylic spunlaced fabric"
<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F5350625>

Market Potential: This invention provides an improved spunlaced water-absorbent fabric comprised of a mixture of acrylic and synthetic cellulosic fibers wherein the improved fabric consists essentially of about 25 but less than 50 percent, by weight, of crimped acrylic fibers having a denier per filament (dpf) of about 0.75 to about 3.0 and a length from about 0.75 to about 3.0 inches and complementally about 75 to more than 50 percent of crimped, synthetic, hydrophilic cellulosic fibers having a dpf of from about 0.75 to about 3.0 and a length from about 0.75 to about 3.0 inches.

Benefits:

- Makes fabric material reusable

Applications:

- Protect fabric materials from damage by water and aqueous soiling

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